



## *Dr. Mark L. Stone*

*Specializing in finding innovative solutions to practical problems*

**Phone:** 208.526.8664

**E-mail:** mark.stone@inl.gov

**Education:** Dr. Mark L. Stone earned his B.S. in chemistry from Utah State University in 1973 and his Ph.D. in chemical physics from Washington State University in 1979.

**Work experience:** Dr. Stone is a senior advisory scientist for the INL, where he has worked since 1988. Prior to that he worked as a research chemist for Phillips Petroleum Company for eight years.

**Professional endeavors:** Dr. Stone's research has primarily focused on polymers, separations, and specialty membrane applications. Areas of interest and involvement include adhesion, composites, engineering plastics, membranes, permeabilities, solubility parameters, encapsulation, chemical resistance, thermal resistance, hardness, toughness, processing effects and solvent effects.

### **Patents:**

U.S. Patent No. 5,157,261 – Detection Device for High Explosives

U.S. Patent No. 5,385,672 – Method for Preparing Membranes with Dynamic Separation Performance

U.S. Patent No. 6,036,030 – Method for Producing a Selectively Permeable Separation Module

U.S. Patent No. 5,445,795 – A Volatile Organic Compound Sensing Device

U.S. Patent No. 6,093,325 – Method of Dye Removal for the Textile Industry

### **Licensing information**

For information on licensing INL technologies such as those developed by Dr. Stone, contact the Lead Account Executive for Environmental:

#### **Gary Smith**

Phone: 208.526.3780

E-mail: gary.smith@inl.gov